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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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Michael E. Childs

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EXAMINER

MANCHO, RONNIE M

ART UNIT

PAPER NUMBER

3663

DATE MAILED: 05/16/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/086,370	CHILDS ET AL.	
	Examiner	Art Unit	
	Ronnie Mancho	3663	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 March 2006.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-12 and 25-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-12 and 25-32 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>4/27/06</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Remark to argument.

1. The 112 rejections pertaining to new matter in the prior office action are withdrawn.

However, based on applicant's amendments and the new claims a new 112, 1st under enablement follows below.

Claim Rejections - 35 USC § 112

2. Claims 1-12, 25-32 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention.

Claims 1, 9 and 25 call for "the device uses the memory in cooperation with the processor and the compression and decompression instructions to compress a plurality of coordinate data *into reduced sizes relative to original sizes of the coordinate data*". There is no support in the original disclosure for "*reduced sizes relative to original sizes of the coordinate data*". Applicant's invention is drawn to packing and unpacking data and not to compressing data into reduced sizes. The examiner is unaware of a compression technique that compresses coordinate data into "*reduced sizes relative to original sizes of the coordinate data*". If applicant is aware of any prior art that teaches such a technique, then applicant is requested to submit such art. On the other hand the applicant has the prima facie burden to show support in the disclosure how the above process is accomplished. Applicant's disclosure has no support for such a disclosure.

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Page 19, lines 11-18 of applicant's disclosure is the only section that mentions "compress/packed" and "decompress/unpack". In this section applicant cites that "Of course, any data structure which uniquely identifies each dimension data 740 and provides an indication to the memory 738 and the processor 736 as to which dimension data 740 to activate or deactivate within the compressed/packed navigation data 732 can be used to decompress/unpack navigation data 734".

This clearly shows that the claimed "data structure" provides an indication to the memory 738 and the processor 736 as to which dimension data 740 to activate or deactivate. In addition the said data structure can be used to decompress/unpack navigation data.

Therefore, the applicant's disclosure teaches away from the claimed "the device uses the *memory in cooperation with the processor and the compression and decompression instructions to compress* a plurality of coordinate data into reduced sizes relative to original sizes of the coordinate data".

In claim 3, it is not clear what all is meant and encompassed by the phrase, "a desired size".

In claim 4, the limitations are not clear in scope.

In claim 12, "the navigation data are *compressed within* the memory" has no support in the specification.

In claim 25, the limitation "wherein the processor *matches* the values with *portions of the compressed navigation data* using the control data and dynamically *decompresses* those matched portions into larger and original sizes and communicates *the decompressed matched portions* to

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the display” is not enabled in the specification. Applicant is asked to show where such limitations are disclosed in the specification.

The limitations of claims 27-32 are not enabled.

The rest of the claims are rejected for their dependence on a rejected base claim.

3. Claim 25 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The applicant further claims “three or more dimensions”. This is not clear since the applicant did not explain or show data with three or more dimensions.

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-12, 25-32 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 1, 9, 25 the applicant cites “reduced sizes relative to original sizes of the coordinate”. This is indefinite since “reduced sizes relative to original sizes of the coordinate” is not explained in the specification nor in the drawings.

It is not understood what all is meant by and encompassed by the term, “original sizes” as it applies to coordinate data. The applicant does not teach or disclose *sizes of a coordinate data* as it applies to compression and decompression as claimed

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Applicant further cites “at least a portion of activation data”. This is indefinite since a portion could mean $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, etc of data, but not a single particular portion is chosen or cited.

In claim 3, the applicant cites “a delta size” and “an optimal size”. It is not understood what applicant is referring to. These are all relative terms and it is not understood what protection the applicant is seeking with these limitations.

In claim 4, the applicant cites “special data”. This is indefinite. This limitation is relative since what might be special to one person may not be special to another person.

The terms “original”, “portion of”, “a delta size” and “an optimal size”, “special data” in claims 1, 3, 4, 9, 25 are relative terms, which render the claims indefinite. The terms “original”, “portion of”, etc are not defined by the claims, the specification does not provide a standard for ascertaining the requisite degree, and one of ordinary skill in the art would not be reasonably apprised of the scope of the invention.

Claims 2-8 are rejected for depending rejected claim 1.

In claim 9, the applicant cites “at least three dimensional data is associated with navigation data and activation data, and associated with a portion of the activation data”. It is not clear what protection the applicant is seeking with the limitation. The limitation is repetitive and indefinite

In claim 11, “the activation data” lacks antecedent basis.

In claim 25, the limitations “portions”, “larger and original sizes” are indefinite.

In claims 25 and 27, the applicant recites, “navigation data included control data” and “navigation data includes attribute data”. The data types cannot be differentiated.

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In claim 30, “in least in part” is not clear. In addition “a part” is a relative term and is indefinite.

In claim 31, “*a part of the decompressed matched portions*”, are relative term and are indefinite and lack antecedent basis..

In claim 32, “the decompressed matched portions” and “land mark data proximate to the navigation device” are indefinite. Further, “the decompressed matched portions” lacks antecedent basis.

Claim Rejections - 35 USC § 103

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. Claims 1, 2, 6-12, 25-32 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito et al (6484093) in view of Friederich et al (6600841).

Regarding claim 1, Ito et al (fig. 1; col. 7, lines 1-50) disclose a navigation navigational device 100, comprising:

a processor 101;

a memory 30 in communication with the processor 101 (fig. 1);

a display 106 in communication with the processor 101, wherein the device uses the memory 30 in cooperation with the processor 101 to pack or store a plurality of coordinate data (col. 7, lines 30-45; fig. 4) and associate at least a portion of activation data with each coordinate

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data ((col. 7, lines 30-45; figs. 1, 13, etc), each coordinate data having three or more dimensions (col. 8, lines 36-47. Note that all GPS data inherently have three or more coordinate representation of positions), and wherein at least a portion of the coordinate data is dynamically communicated to the display (106; col. 7, lines 30-65; col. 11, lines 59 to col. 12, lines 1-5).

Although Ito did not specifically mention the phrase, “compression and decompression” as claimed, it is believed that Ito (col. 7, lines 30-45; fig. 4) at least discloses a form of compression. In order to formalize issues and speed up prosecution of the present case, the examiner has introduced Friederich as a second reference. Friederich et al teach of a navigation device (figs. 1-8; col. 4, lines 35 through col. 5, lines 1-16; abstract) including a display 27 in communication with the processor 12; compression and decompression instructions embedded on the processor (col. 18, lines 33 to col. 9), wherein the device uses a memory (32, 40) in cooperation with the processor 12 and the compression and decompression instructions to compress a plurality of coordinate data into reduced sizes and associate a portion of activation data (136-146, fig. 4; col. 20, lines 41-67) with each coordinate data, each coordinate data having three or more dimensions (see applicant’s disclosure page 17, lines 14+) and each portion of the activation data (136-146) identifying the one of the three or more dimensions; and wherein at least a portion of the coordinate data is dynamically communicated to the display

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the Ito device as taught by Friederich et al for the purpose of effectively and efficiently storing more data on a medium (col. 17, lines 50 to col. 8).

The statement of intended use or field of use, “uses the memory processor compression and decompression instructions to compress” clause is essentially a method

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limitation or statement of intended or desired use. Thus, this claim as well as other statements of intended use do not serve to patentably distinguish the claimed structure over that of the reference. See *In re Pearson*, 181 USPQ 641; *In re Yanush*, 177 USPQ 705; *In re Finsterwalder*, 168 USPQ 530; *In re Casey*, 512 USPQ 235; *In re Otto*, 136 USPQ 458; *Ex parte Masham*, 2 USPQ 2nd 1647.

See MPEP § 2114 which states:

A claim containing a “recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from the prior art apparatus” if the prior art apparatus teaches all the structural limitations of the claim. *Ex parte Masham*, 2 USPQ 2nd 1647

Claims directed to apparatus must be distinguished from the prior art in terms of structure rather than functions. *In re Danly*, 120 USPQ 528, 531.

Apparatus claims cover what a device is not what a device does. *Hewlett-Packard Co. v. Bausch & Lomb Inc.*, 15 USPQ2d 1525, 1528.

As set forth in MPEP § 2115, a recitation in a claim to the material or article worked upon does not serve to limit an apparatus claim.

Regarding claim 2, Ito et al disclose the device of claim 1, further comprising an interface device operable to audibly communicate at least a portion of the coordinate data.

Regarding claim 6, Ito et al disclose the device of claim 1, wherein at least one of the dimensions is associated with attribute data relating to at least one of the other dimensions (col. 8, lines 36-47. Note that all GPS data inherently have three or more coordinate representation of positions).

Regarding claim 7, Ito et al disclose the device of claim 1, wherein the device is a handheld portable device.

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Regarding claim 8, Ito et al disclose the device of claim 1, wherein the memory 30 is remote from the processor 101.

Regarding claim 9, Ito et al (fig. 1; col. 7, lines 1-50) disclose a navigation system, comprising:

a mass storage device 30 adapted to store navigation data;

a server (portable communications systems nowadays use internet; col. 7, lines 7-12) adapted to communicate with the mass storage 30; and

the navigation device 100 adapted to communicate with and retrieve navigation data from the server via a communication channel (fig. 1), wherein the navigation device includes a processor 101 in communication with a memory 102B, wherein the processor and memory cooperate to store at least three dimensional data (col. 8, lines 36-47. Note that all GPS data inherently have three or more coordinate representation of positions) associated with the navigation data and activation data associated with the at least three dimensional data (col. 7, lines 30-65; col. 11, lines 59 to col. 12, lines 1-5).

Although Ito did not specifically mention the phrase, “compression and decompression” as claimed, it is believed that Ito (col. 7, lines 30-45; fig. 4) at least discloses a form of compression. In order to formalize issues and speed up prosecution of the present case, the examiner has introduced Friederich as a second reference. Friederich et al teach of a navigation device (figs. 1-8; col. 4, lines 35 through col. 5, lines 1-16; abstract) including a display 27 in communication with the processor 12 of a navigation device 10; compression and decompression instructions embedded on the processor (col. 18, lines 33 to col. 9) of the navigation device 10, wherein the memory (32, 40) in cooperation with the processor 12 and the compression and

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decompression instructions cooperate to compress at least three dimensional data (vehicle position data, route calculation data, navigation data, etc fig. 4; col. 20, lines 41-67) into reduced sizes relative to original sizes associated with the at least three dimensional data (see applicant's disclosure page 17, lines 14+), and wherein the at least three dimensional data is associated with the navigation data and activation data (136-146, fig. 4; col. 20-53), and wherein each of the at least three dimensional data is associated with a portion of the activation data (136-146, fig. 4; col. 20-53).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the Ito device as taught by Friederich et al for the purpose of effectively and efficiently storing more data on a medium (col. 17, lines 50 to col. 8).

The statement of intended use or field of use, "adapted to", "the memory in cooperation with the processor and the compression and decompression instructions cooperate to compress at least three dimensional data into reduced sizes relative to original sizes", etc clauses are essentially a method limitation or statement of intended or desired use. Thus, this claim as well as other statements of intended use do not serve to patentably distinguish the claimed structure over that of the reference. See *In re Pearson*, 181 USPQ 641; *In re Yanush*, 177 USPQ 705; *In re Finsterwalder*, 168 USPQ 530; *In re Casey*, 512 USPQ 235; *In re Otto*, 136 USPQ 458; *Ex parte Masham*, 2 USPQ 2nd 1647.

See MPEP § 2114 which states:

A claim containing a "recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from the prior art apparatus" if the prior art apparatus teaches all the structural limitations of the claim. *Ex parte Masham*, 2 USPQ 2nd 1647

Claims directed to apparatus must be distinguished from the prior art in terms of structure rather than functions. *In re Danly*, 120 USPQ 528, 531.

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Apparatus claims cover what a device is not what a device does. *Hewlett-Packard Co. v. Bausch & Lomb Inc.*, 15 USPQ2d 1525, 1528.

As set forth in MPEP § 2115, a recitation in a claim to the material or article worked upon does not serve to limit an apparatus claim.

Regarding claim 10, Ito et al disclose the system of claim 9, wherein the communication channel includes a wireless channel.

Regarding claim 11, Ito et al (inherently) disclose the system of claim 9, wherein the activation data are configurable to activate or deactivate each dimension within the at least three dimensional data of the navigation data.

Regarding claim 12, Ito et al disclose the system of claim 11, wherein the navigation data are compressed within the memory.

Regarding claim 25, Ito et al disclose a navigational device, comprising:

a memory;

a display;

a processor that cooperates with the memory to store navigation data having three or more dimensions wherein the navigation data includes control data and coordinate data.

Although Ito did not specifically mention compression, it is believed that Ito (col. 7, lines 30-45; fig. 4) at least discloses a form of compression. In order to formalize issues and speed up prosecution of the present case, the examiner has introduced Friederich et al as a second reference. Friederich teaches of a navigation device (figs. 1-8; col. 4, lines 35 through col. 5, lines 1-16; abstract) including a display in communication with the processor; compression and decompression instructions embedded in the processor, the memory in cooperation with the processor using the compression and decompression instructions to compress navigational data

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having three or more dimensions, and wherein the navigation data includes control data and coordinate data (136-146, fig. 4; col. 20, lines 45-67), wherein each unique portion of the control data maps to one of the three or more dimensions (road attribute data, navigation data, speed data, vehicle position data, etc; see applicant's disclosure page 17, lines 14+)

Friederich et al further disclose a Global Positioning Satellite (GPS) receiver that cooperates with the processor and provides to the processor specific values for coordinate data, wherein the processor maps the specific values with portions of the compressed navigation data using the control data and dynamically decompresses those mapped portions into their original sizes, which is larger than compressed sizes, and communicates the decompressed matched portions to the display.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the Ito device as taught by Friederich et al for the purpose of effectively and efficiently storing more data on a medium (col. 17, lines 50 to col. 8).

The statement of intended use or field of use, "adapted to", "the memory in cooperation with the processor using the compression and decompression instructions to compress", "the processor maps the specific values with portions of the compressed navigation data using the control data and dynamically decompresses those mapped portions into their original sizes, which is larger than compressed sizes, and communicates the decompressed matched portions to the display" etc clauses are essentially a method limitation or statement of intended or desired use. Thus, this claim as well as other statements of intended use do not serve to patentably distinguish the claimed structure over that of the reference. See *In re Pearson*, 181 USPQ 641; In

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re Yanush, 177 USPQ 705; In re Finsterwalder, 168 USPQ 530; In re Casey, 512 USPQ 235; In re Otto, 136 USPQ 458; Ex parte Masham, 2 USPQ 2nd 1647.

See MPEP § 2114 which states:

A claim containing a “recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from the prior art apparatus” if the prior art apparatus teaches all the structural limitations of the claim. Ex parte Masham, 2 USPQ 2nd 1647

Claims directed to apparatus must be distinguished from the prior art in terms of structure rather than functions. In re Danly, 120 USPQ 528, 531.

Apparatus claims cover what a device is not what a device does. Hewlett-Packard Co. v. Bausch & Lomb Inc., 15 USPQ2d 1525, 1528.

As set forth in MPEP § 2115, a recitation in a claim to the material or article worked upon does not serve to limit an apparatus claim.

Regarding claim 26, Ito et al disclose the navigational device of claim 25, wherein the navigation device is a portable digital assistant.

Regarding claim 27, Ito et al disclose the navigation device of claim 25, wherein the navigation data includes attribute data within one or more of the three or more dimensions, and wherein the attribute data drives presentation effects of the decompressed matched portions on the display.

Regarding claim 28, Ito et al disclose the navigation device of claim 25, wherein the navigational device transmits the decompressed matched portions to an external device.

Regarding claim 29, Ito et al disclose the navigational device of claim 25, wherein each of the three or more dimensions include cartographic data.

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Regarding claim 30, Ito et al disclose the navigational device of claim 25, wherein the decompressed match portions represent in least in part a current position of the device within a route that the device is traveling along.

Regarding claim 31, Ito et al disclose the navigational device of claim 25 further comprising an audio device in cooperation with the processor, wherein the audio device communicates at least a part of the decompressed matched portions audibly.

Regarding claim 32, Ito et al disclose the navigational device of claim 25 wherein at least one of the three or more dimensions associated with the decompressed matched portions includes landmark data proximate to the navigational device.

Claim Rejections - 35 USC § 103

8. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

9. Claims 3-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ito et al (6314369) and Friederich et al (6600841) as applied to claim 1 and further in view of Robinson et al (5995970).

Regarding claim 3, Ito et al and Friederich disclose the device of claim 1, but did not disclose coordinate change values relative a previous coordinate's direction, wherein the coordinate change is identified as a desired size for which to compress each coordinate data. However, Robinson et al (abstract; col. 1, lines 38-60; claim 1) disclose a storage medium for

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storing navigational data, coordinate change values relative a previous coordinate's direction, wherein the coordinate change is identified as a desired size for which to compress each coordinate data.

Therefore, it would have been obvious to one of ordinary skill in the art of navigation to modify the Ito/Johnson device as taught by Robinson for the purpose of saving memory space when storing navigation data.

The statement of intended use or field of use, "a desired size for which to compress" etc clause is essentially a method limitation or statement of intended or desired use. Thus, this claim as well as other statements of intended use do not serve to patentably distinguish the claimed structure over that of the reference. See *In re Pearson*, 181 USPQ 641; *In re Yanush*, 177 USPQ 705; *In re Finsterwalder*, 168 USPQ 530; *In re Casey*, 512 USPQ 235; *In re Otto*, 136 USPQ 458; *Ex parte Masham*, 2 USPQ 2nd 1647.

See MPEP § 2114 which states:

A claim containing a "recitation with respect to the manner in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from the prior art apparatus" if the prior art apparatus teaches all the structural limitations of the claim. *Ex parte Masham*, 2 USPQ 2nd 1647

Claims directed to apparatus must be distinguished from the prior art in terms of structure rather than functions. *In re Danly*, 120 USPQ 528, 531.

Apparatus claims cover what a device is not what a device does. *Hewlett-Packard Co. v. Bausch & Lomb Inc.*, 15 USPQ2d 1525, 1528.

As set forth in MPEP § 2115, a recitation in a claim to the material or article worked upon does not serve to limit an apparatus claim.

Regarding claim 4, Ito et al (col. 1, lines 62-67)/Friederich et al as modified by Johnson disclose the device of claim 3, wherein at least one of the coordinate data exceed the delta size

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associated with compressing the at least one coordinate data and wherein associating one or more special data ensures the at least one coordinate data are compressed within the delta size associated with the coordinate data.

Regarding claim 5, Ito et al as modified by Johnson disclose the device of claim 4, wherein:

each dimension is associated with a direction; and

if each direction within each dimension of each associated coordinate data proceeds in a same direction then using a single sign data (col. 2, lines 4-12) for each dimension to compress each coordinate data.

The statements of intended use or field of use, " if each direction within each dimension of each associated coordinate data proceeds in a same direction then using a single sign data for each dimension to compress each coordinate data." clauses are essentially method limitations or statements of intended or desired use. Thus, these claims as well as other statements of intended use do not serve to patentably distinguish the claimed structure over that of the reference. See *In re Pearson*, 181 USPQ 641; *In re Yanush*, 177 USPQ 705; *In re Finsterwalder*, 168 USPQ 530; *In re Casey*, 512 USPQ 235; *In re Otto*, 136 USPQ 458; *Ex parte Masham*, 2 USPQ 2nd 1647.

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As set forth in MPEP § 2115, a recitation in a claim to the material or article worked upon does not serve to limit an apparatus claim.

Response to Arguments

10. Applicant's arguments filed 3-2-06 have been fully considered but they are not persuasive.

The applicant is arguing that the examiner made a late and untimely rejection in the last office action when the examiner introduced a 112 rejection drawn to a new matter issue. The applicant cites MPEP 2164.04 to support their argument. In response, a new rejection can be introduced into an application anytime the office believes it is proper. In this case, the 112 rejection was deemed appropriate to put the case in better form for appeal.

Next, the applicant argues that the new matter rejection is inappropriate. The examiner disagrees. The applicant cannot cite any section of the specification that recites the new matter "compression of data into *reduced sizes*". It is true that the exact language of the claims does have to appear in the specification; however, it is noted that the exact meaning of the claim limitations must be expressed in the specification. In this case the meaning of the limitation "compression of data into *reduced sizes*" is not expressly stated in the specification. There has been no art or disclosure by the applicant that supports applicant's position. If "compress" was equivalent to "make data smaller or to reduce" as insisted by the applicant, then the scientific world would ultimately equate the phrase, --data compression-- to --data reduction-- . But this is not the case. The applicant has not showed how the data is reduced in size from 10 characters to 5 or 6 characters as argued. The applicant failed to disclose the original size of the data and the

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final size of the data notwithstanding “compression of data into *reduced sizes*”. It is noted that applicant has the right to issue and appeal brief if they want to. It is also notes that an answer will be readily available upon issue of a brief.

Next, the applicant argues that the limitation “at least a portion” is definite. The argument is not persuasive. Applicant specification does not teach, “matched portions”. A “portion” perceived by an individual may not be a “portion” as perceived by another individual.

The 103 rejections have bee changed necessitated by applicant’s amendments.

The rejections are deemed proper and stand.

Conclusion

11. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

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Communication

12. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ronnie Mancho whose telephone number is 571-272-6984. The examiner can normally be reached on Mon-Thurs: 10-6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jack Keith can be reached on 571-272-6878. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-1113.

Ronnie Mancho
Examiner
Art Unit 3663

5/8/06


JACK KEITH
SUPERVISORY PATENT EXAMINER